



6A7

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**PENTAGRID CONVERTER**

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.
Direct Interelectrode Capacitances:		
Grid #4 to Plate	0.3 <sup>o</sup>	μuf
Grid #4 to Grid #2	0.15 <sup>o</sup>	μuf
Grid #4 to Grid #1	0.15 <sup>o</sup>	μuf
Grid #1 to Grid #2	1.0	μuf
Grid #4 to All Other Electrodes (R-F Input)	8.5	μuf
Grid #2 to All Other Electrodes (Osc. Output)	5.5	μuf
Grid #1 to All Other Electrodes (Osc. Input)	7.0	μuf
Plate to All Other Electrodes (Mixer Output)	9.0	μuf
Overall Length	4-9/32" to 4-17/32"	
Seated Height	3-21/32" to 3-29/32"	
Maximum Diameter	1-9/16"	
Bulb	ST-12	
Cap	Small Metal	
Base	Small 7-Pin <sup>▲</sup>	
Pin 1 - Heater		Pin 5 - Grid #1
Pin 2 - Plate		Pin 6 - Cathode
Pin 3 - Grids #3 & #5		Pin 7 - Heater
Pin 4 - Grid #2		Cap - Grid #4
Mounting Position	BOTTOM VIEW (7C)	Any

*Maximum Ratings, Typical Operating Conditions, and Curves are the same as for Type 6A8.*

- In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
- With shield-can connected to cathode.
- ▲ Requires different socket than medium 7-pin base.

← Indicates a change.

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RCA RADIODRON DIVISION  
RCA MANUFACTURING COMPANY, INC.

DATA